**OMB Control Number: 1024-XXXX**

**Expiration Date: XX-XX-XXXX**

**Grand Canyon White Water Floater Survey**

**[CV Questions]**

**PAPERWORK REDUCTION ACT STATEMENT** The National Park Service is authorized by 16 U.S.C. 1a-7 to collect this information. This information will be used by park managers to evaluate visitor experience and attitudes about recent white water trips in the Grand Canyon. Response to this request is voluntary. No action may be taken against you for refusing to supply the information requested. Please do not put your name or that of any member of your group on the questionnaire. The permanent data associated with this collection will be anonymous.

**BURDEN ESTIMATE:** The public reporting burden for this form is estimated to average 20 minutes per response. Direct comments regarding the burden estimate or any other aspect of this form to: the NPS Information Collection Review Coordinator, National Park Service, 1201 Oakridge Dr., Fort Collins, CO 80525.

This questionnaire refers to the white water trip you took in the Grand Canyon that started on \_\_ (DATE)\_\_ Please refer to this trip when answering the questions in this survey. It is important that this survey be completed by the person to whom it was sent.

This question will be used to gather an initial overall self-rating of the quality of the float trip

**In this first section, we are interested in finding out about your white water trip in the Grand Canyon and how much you enjoyed it.**

1. Overall, how would you rate your white water trip? (CIRCLE ONE NUMBER)

1 VERY POOR

2 POOR

3 FAIR

4 GOOD

5 EXCELLENT

Questions 2-6 will help to identify specific key characteristics of the float trip and identify the number of previous Grand Canyon float trips the user has taken.

2. Where did you put-in (start trip)? (CIRCLE ONE NUMBER)

1 LEE'S FERRY

2 PHANTOM RANCH

3 WHITMORE WASH

4 DIAMOND CREEK

3 OTHER (specify)

3. Where did you take-out (end trip)? (CIRCLE ONE NUMBER)

1 PHANTOM RANCH

2 WHITMORE WASH

3 DIAMOND CREEK

4 LAKE MEAD

5 OTHER (specify)

4. How long was your trip? ­\_\_\_\_\_\_\_\_ DAYS

5. What type of boat were you on? (CIRCLE ONE NUMBER)

1 MOTOR POWERED RAFT

2 OAR POWERED RAFT

3 COMBINATION MOTOR/OAR RAFT

4 COMBINATION OAR/PADDLE

5 DORY

6 KAYAK

7 PADDLE RAFT

8 OTHER (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Was your Grand Canyon white water trip: (CIRCLE ONE NUMBER)

1 RUN BY A COMMERCIAL OUTFITTER

2 PRIVATE TRIP--Were you primarily responsible for operating a boat on this trip?

1 YES

2 NO

Including this trip, how many times in your life have you taken a white water trip on the Colorado River below Lee's Ferry?

\_\_\_\_ TIMES

Question 7 will be used to identify the likelihood of the user taking future trips on the river.

7. If you had the opportunity, would you take a Grand Canyon whitewater trip again? (CIRCLE ONE NUMBER)

1 DEFINITELY NOT

2 PROBABLY NOT

3 UNSURE

4 PROBABLY YES

5 DEFINITELY YES

Question 8 will be used to understand the perceived level of crowding the user experienced on their trip.

8. On average, how crowded did you feel the river was while you were floating? (Circle the number on the scale best representing your feelings)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Not at all Crowded** |  | **Somewhat Crowded** |  | **Moderately**  **Crowded** |  | **Very**  **Crowded** |  | **Extremely**  **Crowded** |
| **1** |  | **2** |  | **3** |  | **4** |  | **5** |

Question 9 is intended to help managers understand the importance of specified trip features

9. River trips through the Grand Canyon have a number of features. People differ on what they feel is important for them personally. In this section, there are a number of features of a Grand Canyon river trip.

* Please indicate how important each feature was for you on your trip. (CIRCLE ONE NUMBER FOR EACH FEATURE).
* Then in the left column, check three boxes that you would use to describe the features of an ideal river trip.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Select your top three features of an ideal river trip | Feature of Trip | Not at all Important | Somewhat Important | Very Important | Did not Experience |
| ❑ | Observing flora, fauna and geology | 1 | 2 | 3 | 0 |
| ❑ | Being in a natural setting | 1 | 2 | 3 | 0 |
| ❑ | Being on the Colorado River | 1 | 2 | 3 | 0 |
| ❑ | Being with family/friends | 1 | 2 | 3 | 0 |
| ❑ | Relaxing; getting away from it all | 1 | 2 | 3 | 0 |
| ❑ | Camping on sandy beaches | 1 | 2 | 3 | 0 |
| ❑ | Experiencing large rapids | 1 | 2 | 3 | 0 |
| ❑ | Stopping at side canyons or creeks | 1 | 2 | 3 | 0 |
| ❑ | Learning about the history of the Grand Canyon | 1 | 2 | 3 | 0 |
| ❑ | Photographing the Grand Canyon | 1 | 2 | 3 | 0 |
| ❑ | Seeing few other people while floating | 1 | 2 | 3 | 0 |
| ❑ | Hiking the side canyons | 1 | 2 | 3 | 0 |
| ❑ | Floating on quiet stretches of the river | 1 | 2 | 3 | 0 |
| ❑ | Seeing wildlife | 1 | 2 | 3 | 0 |
| ❑ | Interacting with my guide or trip leader | 1 | 2 | 3 | 0 |
| ❑ | Visiting archeological sites | 1 | 2 | 3 | 0 |
| ❑ | Having a sense of accomplishment of making it through the trip | 1 | 2 | 3 | 0 |
| ❑ | Feeling safe | 1 | 2 | 3 | 0 |
| ❑ | Having confidence in my guide or trip leader | 1 | 2 | 3 | 0 |
| ❑ | Enjoying good weather | 1 | 2 | 3 | 0 |
| ❑ | Eating good food | 1 | 2 | 3 | 0 |
| ❑ | Interacting with others on my trip | 1 | 2 | 3 | 0 |
| ❑ | Seeing few other people at beaches or attraction sites | 1 | 2 | 3 | 0 |
| ❑ | Fishing in the Grand Canyon | 1 | 2 | 3 | 0 |
| ❑ | Being in the unique natural setting of Grand Canyon | 1 | 2 | 3 | 0 |

Questions 10-12 will help identify the role of rapids in the users’ trip.

**Rapids are an important part of the Grand Canyon trip for many people. In this next section, we would like to get your expectations and feelings about the rapids.**

10. What role did rapids play in your decision to take this trip? (CIRCLE ONE NUMBER)

1 RAPIDS WERE THE MOST IMPORTANT REASON FOR TAKING THE TRIP

2 RAPIDS WERE ONE OF THE TWO OR THREE MOST IMPORTANT REASONS FOR TAKING THE TRIP

3 RAPIDS WERE ONLY ONE OF MANY IMPORTANT REASONS FOR TAKING THE TRIP

4 RAPIDS WERE NOT AN IMPORTANT REASON FOR TAKING THE TRIP

11. Did you have to walk around any rapids?

1 NO

2 YES----Which rapids? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. In general, which type of rapid did you enjoy most on this trip: (CIRCLE ONE NUMBER)

1 BIG RAPIDS

2 MEDIUM RAPIDS

3 SMALL RAPIDS

4 LIKED ALL TYPES OF RAPIDS EQUALLY

5 DON'T LIKE RAPIDS

Questions 13-20 - Understand the users’ preferences and experiences of flow levels, flow fluctuations, and camping with other parties.

**Besides rapids, the water level on the river may also affect a person's trip. In this next section, we are interested in your feelings about the water level during your trip.**

13. If you had the choice, would you have preferred the overall water level to be: (CIRCLE ONE NUMBER)

1 LOWER

2 ABOUT THE SAME

3 HIGHER

4 DON'T KNOW OR DOESN'T MATTER

14. Did you notice whether the water level changed during your trip?

1 NO

2 YES---->How often did you notice it changing?

|  |  |
| --- | --- |
| 1 | EVERY DAY |
| 2 | ALMOST EVERY DAY |
| 3 | ONLY ON A FEW DAYS |

15. Do you think that daily fluctuations in the water level would make you feel more or less like you were in a natural setting? (CIRCLE ONE NUMBER)

1 MUCH MORE LIKE A NATURAL SETTING

2 SOMEWHAT MORE LIKE A NATURAL SETTING

3 NATURAL SETTING REGARDLESS OF FLUCTUATIONS

4 SOMEWHAT LESS LIKE A NATURAL SETTING

5 MUCH LESS LIKE A NATURAL SETTING

6 DON'T KNOW

16. If you had a choice, would you have preferred a trip with daily fluctuations in the water level or one with a constant water level? (CIRCLE ONE NUMBER)

1 I WOULD PREFER A TRIP WITH DAILY FLUCTUATIONS

2 I WOULD PREFER A TRIP WITH CONSTANT WATER LEVELS

3 IT WOULD MAKE NO DIFFERENCE TO ME

17. On your trip, did you feel you had enough time to hike the side canyons and see other attractions? (CIRCLE ONE NUMBER)

1 YES, THERE WAS ENOUGH TIME FOR HIKING

2 NO, THERE WAS NOT ENOUGH TIME FOR HIKING

3 THERE WAS TOO MUCH TIME FOR HIKING

18. Did you ever have to share the beach where you were camping with other groups during your trip? (CIRCLE ONE NUMBER)

1 NO

2 YES----How many nights did this happen? (CIRCLE ONE NUMBER)

1 ONE NIGHT

2 TWO NIGHTS

3 THREE NIGHTS

4 FOUR OR MORE NIGHTS

19. Could you see the camps of other groups from any of your campsites during your last trip? (CIRCLE ONE NUMBER)

1 NO

2 YES----Were these groups sharing the beach with your group or did they have a separate beach? (CIRCLE ONE)

1 WE SHARED THE BEACH

2 THEY WERE ON A SEPARATE BEACH

20. If you had a choice, would you prefer a campsite: (CIRCLE ONE)

1 ON THE SAME BEACH AS ANOTHER PARTY

2 WHERE YOU MIGHT BE ABLE TO SEE OR HEAR ANOTHER PARTY

3 OUT OF SIGHT AND HEARING OF OTHERS

21-25 will be used to understand how users traveled to their river trip, and the role the river trip played in their decision to visit the Grand Canyon area.

**In this next section we would like to find out how you traveled to the Grand Canyon and what types of items you purchased for your white water trip. This information will help us to compare your responses with those of other people.**

21. How would your best describe you reason(s) for taking this trip to the Grand Canyon area? (CIRCLE ONE NUMBER)

1 THE WHITE WATER BOAT TRIP WAS THE ONLY REASON FOR MAKING THE TRIP

2 THE WHITE WATER BOAT TRIP WAS THE MOST IMPORTANT REASON FOR MAKING THE TRIP

3 THE WHITE WATER BOAT TRIP WAS ONE OF SEVERAL EQUALLY IMPORTANT REASONS FOR TAKING THE TRIP

4 THE WHITE WATER BOAT TRIP WAS NOT AN IMPORTANT REASON FOR MAKING THE TRIP

22. Was any part of your trip to the Grand Canyon by airplane? (CIRCLE ONE NUMBER)

1 YES----How much time did it take to fly one-way?

TOTAL HOURS OF FLYING \_\_\_\_\_\_

2 NO

23. Did you drive at least part of the way to the Grand Canyon for your white water trip?

1 YES---->How much time did you spend driving one-way?

TOTAL HOURS OF DRIVING \_\_\_\_\_\_\_

2 NO----->Skip to question 26

24. What type of vehicle did you use to get to the Grand Canyon? (CIRCLE ONE NUMBER)

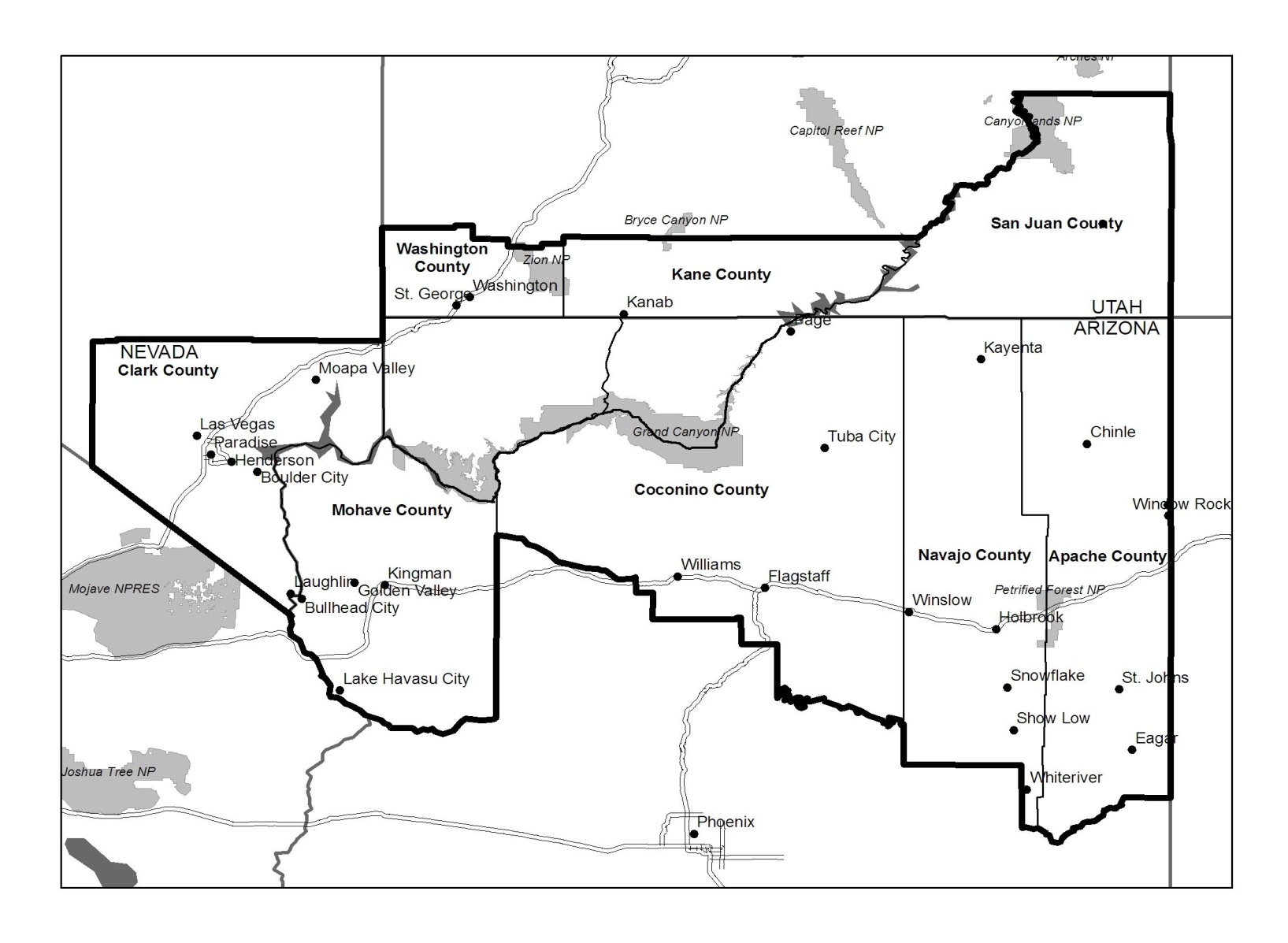
1 PRIVATE VEHICLE

2 RENTAL VEHICLE

3 OTHER, (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. How many people travelled with you (in the same vehicle) to the Grand Canyon?

MYSELF AND \_\_\_\_\_\_\_OTHER PEOPLE



Questions 26 and 27 establish the level of spending by floaters on the trip and identify the location of that spending

26. Where did you stay on your most recent trip to the Grand Canyon area? The map above shows the location of the cities we considered the “Grand Canyon area.”. **Please check all that apply and indicate the number of nights spent in each place or indicate “other” if the place is outside the area or not listed on the map.**

* Kanab, UT → number of nights \_\_\_\_\_\_\_\_
* St. George, UT → number of nights \_\_\_\_\_\_\_\_
* Page, AZ → number of nights \_\_\_\_\_\_\_\_
* Grand Canyon Village, AZ → number of nights \_\_\_\_\_\_\_\_
* Flagstaff, AZ → number of nights \_\_\_\_\_\_\_\_
* Kingman, AZ → number of nights \_\_\_\_\_\_\_\_
* Boulder City, NV → number of nights \_\_\_\_\_\_\_\_
* Henderson, NV → number of nights \_\_\_\_\_\_\_\_
* Las Vegas, NV → number of nights \_\_\_\_\_\_\_\_
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → number of nights \_\_\_\_\_\_\_\_
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → number of nights \_\_\_\_\_\_\_\_
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → number of nights \_\_\_\_\_\_\_\_

27. Please estimate how much your trip cost (COSTS FOR YOU INDIVIDUALLY, NOT OTHERS FOR WHOM YOU MIGHT HAVE PAID). Include only money spent on items specifically for this trip. If a certain item was not purchased for this trip, please put $0. In the first column please write the total amount you spent on the trip, and in the second column put only the amount you spent in the local area Grand Canyon NP (see map for the towns included in this area).

Total Spent Spent in Area

Payment to Rafting Company (if you took a commercial trip) $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Airfare $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Car Rental $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Gas and Oil for vehicle $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Food and Beverages (from Grocery stores) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Restaurant meals $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Lodging (motels and hotels - before and after white water trip) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Camping fees $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Personal gear (suntan lotion, sunglasses, film for camera) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Boat Gear purchased for this trip (oars, lines, etc.) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Take out at Diamond Creek $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Vehicle Shuttle $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Tow across Lake Mead $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Native American arts and crafts purchased

from roadside vendors $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

**TOTAL AMOUNT TRIP COST (Please add all payments) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_**

Question 28 will be used to estimate the net economic value of the users’ trip on this stretch of the Colorado River.

**Note:** The dollar amount in this question will be replaced with the different bid amounts of which each respondent will randomly be given one amount (, $50, $75, $100, $125, $150, $175, $200, $225, $250, .… $2,200).

28. Would you still have gone on the Grand Canyon white water trip if your costs had been $ \_\_\_\_\_\_\_ more than the total you just calculated in Question A27? Remember, if your trip cost you more than you actually spent, you would have less money to spend on other things (CIRCLE ONE NUMBER)

1 YES, I WOULD PAY THIS AMOUNT TO TAKE THE TRIP

2 NO, I WOULD NOT PAY THIS AMOUNT TO TAKE THE TRIP

Questions 29 -34 after the respondent reads the following text they will be asked to read five cases studies that highlight different water management and flow scenarios within the river canyon. The responses from these questions will be used to inform the way the anticipated value of the resource varies with changing flow levels and to inform the marginal values associated with different flow and non-flow trip attributes

The dollar amount ($XXX) in Questions 29-31 will be replaced with the different bid amounts of which each respondent will randomly be given one amount ($25, $50, $75, $100, $125, $150, $175, $200, $225, $250, .… $2,000).

**PLEASE READ CAREFULLY**

*Many factors influence the quality of Grand Canyon white water trips. For example, in a recent survey white water boaters told us that things like good weather, good social interaction, good guides and trip leaders, the number of layovers at attraction sites, running rapids, good food, and many other things would contribute to an excellent or perfect trip. The present survey, however, is focusing specifically on those aspects of the trip that are affected by water flows in the Colorado River.*

*Water flows in a river like the Colorado are often measured in cubic feet per second (cfs) passing a given point. For our study, water flows are being described in terms of four categories: low flows (5,000 cfs), moderate flows (13,000 cfs), moderately high flows (22,000 cfs), and high flows (40,000 cfs) as measured by releases at Glen Canyon Dam, the last dam above the Grand Canyon. These flow levels are only a few of the many alternative flows that are possible given legal restrictions on releases from Glen Canyon Dam and they are being used here to find out about your preference for various Colorado River flows through the Grand Canyon.*

*The amount of water being released from Glen Canyon Dam can also vary from time to time within any one day. These daily fluctuations, when they occur, typically follow a regular pattern. Flow releases from the Dam increase during the morning, and decrease in the late afternoon, and evening. The actual timing of when these fluctuations impact boaters depends on where the floaters are within the canyon.*

*In the case descriptions that follow, we will describe the effects of each of these types of flow patterns. For each type of flow we would like you to tell us how it would affect the quality of a Grand Canyon white water trip for you.*

Your white water trip in the Grand Canyon started on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Records show that during your trip the average water level was about \_\_\_\_\_ cfs,

with flows daily ranging from \_\_\_\_\_\_ cfs to \_\_\_\_\_\_\_ cfs, which is a daily fluctuation of \_\_\_\_\_\_ cfs.

**CASE 1:** *At a constant flow of 5,000 cfs, the speed of the river is relatively slow, reducing time for side canyon visits and other attractions. Boaters must break camp early to stay on schedule. Although rapids are present at this low water level, the waves are smaller and do not produce the big “roller coaster" ride created by higher flows. Due to exposed rocks, some rapids may be so difficult that it is likely passengers would have to walk around them. However, camping opportunities are abundant with many large sandy beaches exposed.*

29. Do you think a Grand Canyon white water trip under the conditions described for Case 1 above would be better or worse than your last Grand Canyon white water trip? (CIRCLE ONE NUMBER)

1 MUCH BETTER

2 SOMEWHAT BETTER

3 ABOUT THE SAME

4 SOMEWHAT WORSE

5 MUCH WORSE

We would now like you to imagine that you are presently deciding whether or not to go on a Grand Canyon white water trip. Imagine that the trip would be the same as your last trip (e.g., the same people, same food, etc.) with the following two exceptions:

* The water level would be constant at 5,000 cfs (see Case 1 above).
* Your individual costs for the trip **increased by** $ \_XXX\_ (over the total cost you calculated in question 27).

30. Would you go on this trip? (CIRCLE ONE NUMBER)

1 YES, I WOULD PAY THIS AMOUNT TO TAKE THE TRIP

2 NO, I WOULD NOT PAY THIS AMOUNT TO TAKE THE TRIP

**CASE 2:** *At moderate water levels (around 13,000 cfs), the pace of the river is slightly faster than at low flows, leaving a little more time for hiking in side canyons and stops at attractions. Most boating groups will not have a problem staying on schedule. Rapids tend to have larger waves and provide a little more of a "roller coaster" ride than at low water. Passengers may have to walk around only a few rapids. Campsites are still large and plentiful.*

31. Do you think a Grand Canyon white water trip under the conditions described for Case 2 above would be better or worse than your last Grand Canyon white water trip? (CIRCLE ONE NUMBER)

1 MUCH BETTER

2 SOMEWHAT BETTER

3 ABOUT THE SAME

4 SOMEWHAT WORSE

5 MUCH WORSE

We would now like you to imagine that you are presently deciding whether or not to go on a Grand Canyon white water trip. Imagine that the trip would be the same as your trip (e.g., the same people, same food, etc.) with the following two exceptions:

* The water level would be constant at 13,000 cfs (described in Case 2 above).
* Your individual costs for' the trip increased by $ \_XXX\_ (over the total cost you calculated in question 27).

32. Would you go on this trip? (CIRCLE ONE NUMBER)

1 YES, I WOULD PAY THIS AMOUNT TO TAKE THE TRIP

2 NO, I WOULD NOT PAY THIS AMOUNT TO TAKE THE TRIP

**CASE 3:** *At moderately high water levels (around 22,000 cfs), the pace of the river is faster than at lower flows, leaving more time for side canyons and stops at attractions. Boating groups do not have a problem staying on schedule. Rapids have larger waves and provide a bigger "roller coaster" ride than at moderate water. Only a few passengers choose to walk around some of the bigger rapids for their safety. Some potential campsites are under water in some areas of the canyon, but generally campsites are plentiful although a bit smaller in size.*

33. Do you think a Grand Canyon white water trip under these conditions (described in Case 3 above) would be better or worse than your last Grand Canyon white water trip? (CIRCLE ONE NUMBER)

1 MUCH BETTER

2 SOMEWHAT BETTER

3 ABOUT THE SAME

4 SOMEWHAT WORSE

5 MUCH WORSE

We would now like you to imagine that you are presently deciding whether or not to go on a Grand Canyon white water trip. Imagine that the trip would be the same as your last trip (e.g., the people, food, etc.) with the following two exceptions:

* The water level would be constant at 22,000 cfs (described in Case 3 above).
* Your individual costs for the trip increased by $ \_XXX\_ (over the total cost you calculated in question 27).

34. Would you go on this trip? (CIRCLE ONE NUMBER)

1 YES, I WOULD PAY THIS AMOUNT TO TAKE THE TRIP

2 NO, I WOULD NOT PAY THIS AMOUNT TO TAKE THE TRIP

**CASE 4:** *At high water levels (around 40,000 cfs), the current is fast. Trips are able to stop at additional side canyons and spend additional time at attraction sites. Fewer rapids are present, as some of the smaller rapids are "washed out." In other rapids, however, the waves are very large and some passengers, especially those on oar powered trips, face an increased likelihood of having to walk around one or more of the major rapids for their safety. Campsites become scarcer as sandbars and shore areas are flooded, and campsites are much smaller. In some areas of the Canyon, there is an increased chance of camping with or near other groups.*

35. Do you think a Grand Canyon white water trip under the conditions described above for Case 4 would be better or worse than your last Grand Canyon white water trip?

1 MUCH BETTER

2 SOMEWHAT BETTER

3 ABOUT THE SAME

4 SOMEWHAT WORSE

5 MUCH WORSE

We would now like you to imagine that you are presently deciding whether or not to go on a Grand Canyon white water trip. Imagine that the trip would be the same as your last trip (e.g., the people, food, etc.) with the following two exceptions:

* The water level would be constant at 40,000 cfs (described in Case 4 above)
* Your individual costs for the trip increased by $ \_XXX\_ (over the total cost you calculated in question 27).

36. Would you go on this trip? (CIRCLE ONE NUMBER)

1 YES, I WOULD PAY THIS AMOUNT TO TAKE THE TRIP

2 NO, I WOULD NOT PAY THIS AMOUNT TO TAKE THE TRIP

**CASE 5:** *There are indications that certain types of flow patterns in the long run may reduce the number and size of sandy beaches in the Grand Canyon, or experimental flood releases could potentially increase the size and number of sandy beaches. At present, the area between Hance Rapids and Havasu has fewer beaches than other parts of the canyon. Trip leaders must plan schedules very closely to ensure a good campsite in this area. As beaches disappear, this careful planning would have to be extended to other parts of the canyon.*

This planning might mean missing some attraction sites to get to camp early or prevent longer stops at some attraction sites. Fewer beaches would increase the likelihood of camping near other parties and perhaps sharing a beach with other parties. Some camps might have to be made in areas without any sand.

37. Do you think a Grand Canyon white water trip under the conditions described above for Case 5 would be better or worse than your last Grand Canyon white water trip?

1 MUCH BETTER

2 SOMEWHAT BETTER

3 ABOUT THE SAME

4 SOMEWHAT WORSE

5 MUCH WORSE

If the number and size of beaches in the Grand Canyon were substantially reduced, the effects described above would become much more likely. We would like you to imagine that you are presently deciding whether or not to go on a Grand Canyon white water trip. All of the details of this trip would be the same as your last trip with the following two exceptions:

* The number and size of beaches was substantially reduced (described in Case 5 above)
* Your individual costs for the trip increased by $ \_XXX\_ (over the total cost you calculated in question 27).

38. Would you go on this trip? (CIRCLE ONE NUMBER)

1 YES, I WOULD PAY THIS AMOUNT TO TAKE THE TRIP

2 NO, I WOULD NOT PAY THIS AMOUNT TO TAKE THE TRIP

Identify potential biases or protest responses within the preceding block of questions.

39. In the previous case descriptions there were a number of different questions where we asked whether you would still take the white water trip if your expenses increased by a certain dollar amount.

To help us better understand your responses, we would like to know the extent to which various factors affected your answers. Please tell us whether the following statements were true or not for you when answering those questions. (CHECK ONE RESPONSE FOR EACH STATEMENT)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Reason** | **Definitely True** | **Probably True** | **Neither True nor False** | **Probably False** | **Definitely False** |
| My main concern was that the Park Service might increase the permit fee for private Grand Canyon white water trips. | 1 | 2 | 3 | 4 | 5 |
| My main concern was that rafting companies might increase the price of commercial Grand Canyon white water trips. | 1 | 2 | 3 | 4 | 5 |
| My responses reflected my best guess as to whether I would pay the specified amounts for the Grand Canyon white water trip. | 1 | 2 | 3 | 4 | 5 |
| My responses reflected the fact that I feel the Grand Canyon white water boating experience should be maintained for all people to enjoy. | 1 | 2 | 3 | 4 | 5 |
| I just don't know how much more I would really pay for a Grand Canyon white water trip regardless of the conditions. | 1 | 2 | 3 | 4 | 5 |
| I just don't want to have to pay more for a Grand Canyon white water trip regardless of what the conditions would be. | 1 | 2 | 3 | 4 | 5 |
| Other, please describe: | 1 | 2 | 3 | 4 | 5 |

Determine baseline demographics about floaters

**In this final section, we would like to ask some questions about your background and occupation which will help us compare your answers with those of other people. We stress that all of your answers are strictly confidential.**

40. How old are you? \_\_\_\_\_ years old

41. Are you:

1 MALE

2 FEMALE

42. Which of the following indicates your level of education? (SELECT ONE))

\_\_\_\_\_ 8th grade or less \_\_\_\_\_ College graduate

\_\_\_\_\_ 9th to 11th grade \_\_\_\_\_ Some graduate work

\_\_\_\_\_ 12th grade (high school graduate) \_\_\_\_\_ Masters, Doctoral, or Professional Degree

\_\_\_\_\_ Some college

43. Which of the following best describes your employment status? (SELECT ONE)

\_\_\_\_\_ Employed, full time \_\_\_\_\_ Homemaker

\_\_\_\_\_ Employed, part time \_\_\_\_\_ Unemployed

\_\_\_\_\_ Retired, but working full time \_\_\_\_\_ Student

\_\_\_\_\_ Retired, but working part time \_\_\_\_\_ Other (Please specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

\_\_\_\_\_ Retired, but not working

44. Are you Hispanic or Latino? (SELECT ONE)

\_\_\_\_\_ Yes

\_\_\_\_\_ No

45. Please tell us which of the following best indicates your race. (SELECT ONE OR MORE)

\_\_\_\_\_ American Indian or Alaskan Native

\_\_\_\_\_ Asian

\_\_\_\_\_ Black or African-American

\_\_\_\_\_ Native Hawaiian or other Pacific Islander

\_\_\_\_\_ White

46 Which of the following best describes your household income before taxes? (SELECT ONE)

\_\_\_\_\_ Less than $20,000 \_\_\_\_\_ $70,000 - $79,999

\_\_\_\_\_ $20,000 - $29,999 \_\_\_\_\_ $80,000 - $89,999

\_\_\_\_\_ $30,000 - $39,999 \_\_\_\_\_ $90,000 - $99,999

\_\_\_\_\_ $40,000 - $49,999 \_\_\_\_\_ $100,000 - $149,999

\_\_\_\_\_ $50,000 - $59,999 \_\_\_\_\_ $150,000 - $199,999

\_\_\_\_\_ $60,000 - $69,999 \_\_\_\_\_ $200,000 or more

47. Is there anything else you and your group would like to tell us about your visit to The Grand Canyon? Attach additional pages if needed.

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**Thanks again for your help. Please place your completed questionnaire in the envelope provided and drop it in any mailbox.**